

Rubber mixture, useful for production of pneumatic tires, tubing and drive belts, comprises at least one rubber, a silicate filler, an organopolysulfone silane, an aminosilane and an alkylsilane

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Abstract of DE10015308

A rubber mixture comprises at least one rubber, a silicate filler, an organopolysulfone silane, an aminosilane and an alkylsilane. A rubber mixture (I) comprises: (A) at least one rubber; (B) a silicate filler; (C) an organopolysulfone silane of formula (1); (D) an aminosilane of formula (2); and (E) an alkylsilane of formula (3). $R<1>R<2>R<3>Si-R<4>-Sx-R<4>-SiR<1>R<2>R<3>$ (1) $R<1>R<2>R<3>Si-R<4>-NR<5>R<6>$ (2) $R<1>R<2>R<3>Si-R$ (3) $R<1>-R<3> = 1-4C$ alkyl or alkoxy; $R<4> = 1-6C$ alkylidene; $R<5>, R<6> = -H, -R<4>SiR<1>R<2>R<3>$ or $1-6C$ alkyl; $R<7> = 1-20C$ alkylidene. Independent claims are included for: (i) a process for the production of the mixture (I) by addition of the silanes of formula (1)-(3) together or sequentially; (ii) molded articles prepared by vulcanization of the mixture (I).

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